

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A cell structure comprising:
a cell structural portion having partition walls forming a plurality of cells
extending from one end face to the other end face, and
an outer wall portion disposed on an outer peripheral surface of the cell
structural portion;
wherein the outer wall portion has at least a porous layer having a porosity of
40% or more or a porous layer having a hollow ~~body~~body,
wherein the outer wall portion has an inside shell layer located on the cell
structural portion side and an outside shell layer located outside of the inside shell layer with
the inside shell layer having a porosity higher than that of the outside shell layer, and
wherein the cell structural portion contains a ceramic material or a metallic
material as a main component, and the outer wall portion contains a ceramic material as a
main component.
- 2-3. (Canceled)
4. (Currently Amended) A cell structure according to ~~any one of Claims 1, Claim~~
1, wherein the cell structural portion has a honeycomb structure or a foam-shaped structure.
5. (Currently Amended) A cell structure according to ~~any one of Claims 1, Claim~~
1, wherein the cell structural portion contains a material having adsorbability or catalytic
capability.
6. (Currently Amended) A cell structure according to ~~any one of Claims 1, Claim~~
1, wherein the outer wall portion contains a material having adsorbability or catalytic
capability.

7. (Currently Amended) A cell structure according to ~~any one of Claims 1, Claim~~ 1, wherein the cell structural portion has a honeycomb structure, and at least a part of cells are plugged at an end portion.

8. (Currently Amended) A cell structure according to ~~any one of Claims 1, Claim~~ 1, wherein a catalyst is loaded on the inside of the cells and/or the inside of the partition walls.

9. (Original) A cell structure according to Claim 8, wherein the catalyst has a function of purifying automobile exhaust gas.

10. (Withdrawn) A method for manufacturing a cell structure, comprising the steps of:

forming a formed body including partition walls forming a plurality of cells,

firing the formed body to obtain a fired body, and

disposing a coating material on a peripheral surface of the formed body or the fired body to form an outer wall portion;

wherein the coating material contains a pore former.

11. (Withdrawn) A method for manufacturing a cell structure according to Claim 10, wherein at least a part of the outer periphery of the formed body or the fired body is worked and removed before the step of forming the outer wall portion.

12. (Withdrawn) A method for manufacturing a cell structure according to Claim 11, wherein the step of working and removing at least a part of the outer periphery is conducted before the step of firing the formed body.

13. (Withdrawn) A method for manufacturing a cell structure according to Claim 11, wherein the step of working and removing at least a part of the outer periphery is conducted after the step of firing the formed body.

14. (Withdrawn-Currently Amended) A method for manufacturing a cell structure according to ~~any one of Claims 11,~~ Claim 11, wherein, in the step of obtaining a formed body containing an outer wall unitarily joined with the partition walls in the step of obtaining a formed body and working and removing at least a part of the outer periphery, the outer periphery including the outer peripheral wall is worked and removed.

15. (Withdrawn) A method for manufacturing a cell structure according to Claim 10, wherein, in the step of obtaining a formed body, a formed body excluding the outer peripheral wall is obtained, and a coating material is disposed on the outer peripheral surface of the formed body or the fired body to form the outer peripheral portion without working or removing the outer peripheral portion of the formed body and the fired body.

16. (Withdrawn-Currently Amended) A method for manufacturing a cell structure according to ~~any one of Claims 10,~~ Claim 10, wherein the method includes the step of plugging at least a part of cells at an end portion.

17. (Withdrawn-Currently Amended) A method for manufacturing a cell structure according to ~~any one of Claims 10,~~ Claim 10, wherein the pore former is one of carbon, a balloon, a foaming resin, a polyester resin, an acrylic resin, and a starch or a combination thereof.

18. (Withdrawn-Currently Amended) A method for manufacturing a cell structure according to ~~any one of Claims 10,~~ Claim 10, wherein the pore former has a hollow body.